

SEQUENCE LISTING

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<110> Kupper, Jan-Heiner

Burkle, Alexander

Gool, Leon Van

Hausen, Harald Zur

<120> Mammal with Inhibition of the Poly(ADP Ribose)Polymerase and Method for Using Same to Identify Cancerigenic Agents

<130> 4121-115

<140> US 09/446,808

<141> 2000-07-21

<150> PCT/DE98/01797

<151> 1998-06-24

<150> German Application No. 197 26 702.5

<151> 1997-06-24

<160> 5

<170> PatentIn version 3.1

<210> 1

<211> 2010

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)..(2010)

<223> Ava I fragment of the human cytokeratin promoter

<400> 1 60 cccgggctcc ggagcttcta ttcctgggcc ctgcataaga aggagacatg gtggtgg 120 tggtgggtgg gggtggtggg gcacagagga agccgatgct gggctctgca ccccattccc 180 gctcccagat ccctctggat atagcacccc ctccagtgag cacagcctcc ccttgcccca 240 cagccaacag caacatgcct cccaacaaag catctgtccc tcagccaaaa cccctgttgc 300 ctctctctgg ggaaattgta gggctgggcc agggtggggg gaccattctc tgcagggaga 360 ttaggagtgt ctgtcagggg cgggtggagc ggggtggggc cctggcttac tcacatcctt 420 gagagteett tgetggeaga tttggggage ceacagetea gatgtetgte teageattgt cttccaagct cctaggccac agtagtgggg cgctcccttc tctggcttct tctttggtga 480 540 cagtcaaggt ggggttgggg gtgacgaagg gtcctgcttc tcttctagga gcagttgatc 600 ccaggaagag cattggagcc tccagcaggg gctgttgggg cctgtctgag gagataggat 660 gcgtcaggca gccccagaca cgatcacatt cctctcaaca tgcctgccgg ggtctgtgga 720 qccqaqqqqc tgatgggagg gtggggtggg ggccggaagg gtttgctttg ggaggttgtc tgggagattg ctgaagtttt gatatacaca cctccaaagc aggaccaagt ggactcctag 780 aaatgtcccc tgacccttgg ggcttcagga gtcagggacc ctcgtgtcca cctcagcctt 840 gcccttgcac agcccagctc cactccagcc tctactcctc cccagaacat ctcctgggcc 900 960 agttccacaa ggggctcaaa cgagggcacc tgagctgccc acactaggga tgttctgggg 1020 gtctgagaag atatctgggg ctggaagaat aaaaggcccc cctaggcctg ttcctggatg cagctccagc cactttgggg ctaagcctgg gcaataacaa tgccaacgag gcttcttgcc 1080 1140 atactcqqtt tacaaaaccc tttacataca ttgtcgcatt ggattctcag agctgactgc 1200 actaagcaga atagatggta tgactcccac tttgcagatg agaacactga ggctcagaga agtgcgaagc cctgggtcac agaggcgtaa atgcagagcc aggacccacc tgaagaccca 1260 1320 cctgactcca ggatgtttcc tgcctccatg aggccacctg ccctatggtg tggtggatgt

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<210> 2

<211> 1161

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(1161)

<223> DNA-binding domain of the human poly(ADP ribose)polymerase

<400> 2
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gactcgctcc ggatggccat catggtgcag tcgcccatgt ttgatggaaa agtcccacac 180
tggtaccact tctcctgctt ctggaaggtg ggccactcca tccggcaccc tgacgttgag 240
gtggatgggt tctctgagct tcggtgggat gaacagcaga aagtcaagaa gacagcggaa 300
gctggaggag tgacaggcaa aggccaggat ggaattggta gcaaggcaga gaagactctg 360

420 ggtgactttg cagcagagta tgccaagtcc aacagaagta cgtgcaaggg gtgtatggag 480 aagatagaaa agggccaggt gcgcctgtcc aagaagatgg tggacccgga gaagccacag 540 ctaggcatga ttgaccgctg gtaccatcca ggctgctttg tcaagaacag ggaggagctg 600 ggtttccggc ccgagtacag tgcgagtcag ctcaagggct tcagcctcct tgctacagag 660 gataaagaag ccctgaagaa gcagctccca ggagtcaaga gtgaaggaaa gagaaaaggc 720 gatgaggtgg atggagtgga tgaagtggcg aagaagaaat ctaaaaaaga aaaagacaag 780 qataqtaaqc ttgaaaaaqc cctaaaggct cagaacgacc tgatctggaa catcaaggac 840 gagctaaaga aagtgtgttc aactaatgac ctgaaggagc tactcatctt caacaagcag 900 caagtgcctt ctggggagtc ggcgatcttg gaccgagtag ccgatggcat ggtgttcggt 960 gccctccttc cctgcgagga atgctcgggt cagctggtct tcaagagcga tgcctattac 1020 tgcactgggg acgtcactgc ctggaccaag tgtatggtca agacacagac acccaaccgg aaggagtggg taaccccaaa ggaattccga gaaatctctt acctcaagaa attgaaggtt 1080 1140 aaaaagcagg accgtatatt ccccccagaa accagcgcct ccgtggcggc cacgcctccg 1161 ccctccacag cctcggccta g

<210> 3

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<221> polyA_signal

<222> (1)..(486)

<223> PolyA signal of the human cytokeratin promoter

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cacttcacag ctggaccctg cttcaccctc accccctct ggcaatcaat acagcttcat 120
tatctgagtt gcataattct cgcctctctc tggtcattgt taggagtggg ggtggggaga 180

.•	.•						
٠.	••				•		
							0.40
		gaga agcatctctt					240
		aagt cctgggggtg					300
		agat agatgtgtgt					360
	ttcatt	catt tactcactca	ttttcatgtg	tgtccattca	ttcaccagat	attgagtgcc	420
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	tggaga						486
	<210>	4					
	<211>	26					
	<212>	DNA					
		Artificial Sequ	lence				
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	<220>	Synthetic Const	LIUCC				
		nuiman bind					
	<221>	primer_bind					
	<222>	(1)(26)					
	<223>						
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<222> (1)..(23)

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23